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(a) the frictional value of the water-tides have only a negligible effect on the earth's rotation; (b) that the tides of lithosphere are chiefly elastic strains and have little retardative value, while the tides of the atmosphere are too small to be measured; and (c), that geological evidences indicate that there has been no such change in the rate of the earth's rotation during its known history as to require it to be seriously considered in the study of the earth's deformations. F.

Elements of Plane and Spherical Trigonometry. By David A. Rothrock, Ph. D., Professor of Mathematics, Indiana University, Bloomington, Indiana. 8vo, cloth. xi+147 pages +99 pages of Tables. New York: The Macmillan Co.

The author has endeavored to prepare a text, which would serve as a basis for fifty or sixty-hour courses. Emphasis is placed upon drill work in trigonometric identities, and attention is given to trigonometric applications to practical problems, and approximate calculations. Chapter IX discusses briefly the theory of analytical trigonometry. F.

ERRATA.

August-September number, p. 170, line 14, should read:

$$\frac{1}{a+\frac{1}{a}}+\frac{1}{\left(a+\frac{1}{a}\right)\left(a^2+\frac{1}{a^2}\right)}+,..=\left(a-\frac{1}{a}\right)\left[\ \ldots\ \right]$$

P. 171, line 8, denominator of last term of series should be

$$\frac{1}{16.254.64514}$$

i. e. the third factor 645 should be omitted.